

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	4	7 and "369".clas.	US-PGPUB; USPAT	OR	ON	2011/05/04 11:34
L9	35	7 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/05/04 11:34
L8	25	7 and "720".clas.	US-PGPUB; USPAT	OR	ON	2011/05/04 11:34
L7	227	(pocket jacket lid shutter door window slider) near1 (cartridge cassette cassette diskette media medium tape container carrier) with (pin rod shaft arm lever) near1 (open remov\$4 rotat \$3 swing)	US-PGPUB; USPAT	OR	ON	2011/05/04 11:34
S113	2	("3619625"   "5311030"). PN. OR ("6885018").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/28 15:08
S112	11	S111 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/04/28 14:56
S111	246	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near2 (cartridge casette cassette diskette media medium tape container carrier) near2 (LED diode laser light) with (end edge surface lid side wall face) with (emit\$4 emis\$4 receiv\$3) with (prism mirror reflect\$4)	US-PGPUB; USPAT	OR	ON	2011/04/28 14:55
S110	10	("20040232364"   "4878383"   "6137503"   "6361136"   "6626510"   "6705715"   "7040728"). PN. OR ("7157727").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/28 14:45
S109	0	("2007/0274001").URPN.	USPAT	OR	ON	2011/04/28 14:45

S108	49	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near2 (cartridge cassette cassette diskette media medium tape container carrier) near2 (LED diode laser light) with (mov\$3 transfer\$4 slid\$3 displac\$5) with (end edge surface lid side wall face) with (emit\$4 emis\$4 receiv\$3)	US-PGPUB; USPAT	OR	ON	2011/04/28 14:28
S107	11	S106 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/04/28 14:13
S106	109	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near2 (cartridge cassette cassette diskette media medium tape container carrier) near2 (LED diode laser light) with (mov\$3 transfer\$4 slid\$3 displac\$5) with (end edge surface lid side wall face)	US-PGPUB; USPAT	OR	ON	2011/04/28 14:12
S105	3	("4903159"   "5638239"   "6490132").PN. OR ("7515370").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/28 13:58
S104	9	S93 and S103	US-PGPUB; USPAT	OR	ON	2011/04/27 13:48
S103	8112	(pocket jacket lid shutter door window slider) with (cartridge cassette cassette diskette media medium tape container carrier) with (pin rod shaft arm lever) with (open remov\$4 rotat\$3 swing)	US-PGPUB; USPAT	OR	ON	2011/04/27 13:37
S102	12	S93 and S101	US-PGPUB; USPAT	OR	ON	2011/04/27 13:36
S101	5871	(hold\$3 support\$3 press\$3 push\$3) with (cartridge cassette cassette diskette media medium tape container carrier) with (different large small big\$3) with (top upper)	US-PGPUB; USPAT	OR	ON	2011/04/27 13:36
S100	5	("5543991"   "6111725").PN. OR ("6456462").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/27 13:20
S99	2	5-217328	US-PGPUB; USPAT	OR	ON	2011/04/27 12:47

S98	2	S96 and "720".clas.	US-PGPUB; USPAT	OR	ON	2011/04/27 12:10
S97	15	S96 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/04/27 12:10
S96	295	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near2 (cartridge cassette cassette diskette media medium tape container carrier) near2 (LED diode laser light) with (mov\$3 transfer\$4 slid\$3 displac\$5)	US-PGPUB; USPAT	OR	ON	2011/04/27 12:08
S95	4609	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near2 (cartridge cassette cassette diskette media medium tape container carrier) near2 (LED diode laser light)	US-PGPUB; USPAT	OR	ON	2011/04/27 11:55
S94	5	S92 and S93	US-PGPUB; USPAT	OR	ON	2011/04/27 11:54
S93	25	(US-20070274001-\$).did. or (US-5343338-\$ or US- 5479312-\$ or US-5730379- \$ or US-5706146-\$ or US- 7097125-\$ or US-6961206- \$ or US-5964424-\$ or US- 5956202-\$ or US-5949610- \$ or US-5854723-\$ or US- 5416650-\$ or US-5046169- \$ or US-4965683-\$ or US- 6441984-\$ or US-5889632- \$ or US-5734520-\$ or US- 5629817-\$ or US-5493459- \$ or US-5793565-\$ or US- 6266206-\$ or US-7405901- \$ or US-7515370-\$ or US- 4995027-\$ or US-6046880- \$).did.	US-PGPUB; USPAT	OR	ON	2011/04/27 11:54
S92	9426	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near3 (cartridge cassette cassette diskette media medium tape container carrier) near3 (LED diode laser light)	US-PGPUB; USPAT	OR	ON	2011/04/27 11:50
S91	38	S89 and "242".clas.	US-PGPUB; USPAT	OR	ON	2011/04/24 15:26
S90	8	("4527262"   "5032939"   "5264974"   "5303214"). PN. OR ("5416650").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/24 15:26

S89	13207	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near1 (size height thick\$4) near2 (detector photodetector photosensor (optical near2 (sensor detector)) sensor)	US-PGPUB; USPAT	OR	ON	2011/04/24 15:25
S85	26	S80 and (S83 S84)	US-PGPUB; USPAT	OR	ON	2011/04/24 15:20
S84	192	360/96.61.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/24 15:20
S83	1067	360/92.1.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/24 15:19
S82	203	242/357.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/24 15:19
S81	1	S80 and S79	US-PGPUB; USPAT	OR	ON	2011/04/24 15:18
S80	87607	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near2 (type size height thick\$4) with (detector photodetector photosensor (optical near2 (sensor detector)) sensor)	US-PGPUB; USPAT	OR	ON	2011/04/24 15:18
S79	183	242/338.4.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/24 15:18
S78	10	S77 and S75	US-PGPUB; USPAT	OR	ON	2011/04/24 12:18
S77	87607	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near2 (type size height thick\$4) with (detector photodetector photosensor (optical near2 (sensor detector)) sensor)	US-PGPUB; USPAT	OR	ON	2011/04/24 12:17
S76	32	("3703295"   "3755641"   "3779542"   "3820796"   "3839736"   "4005487"   "4005489"   "4012011"   "4268877"   "4380780"   "4385958"   "4482929"   "4602299"   "4685095"   "4723185"   "4724492"   "4736356"   "4743991"   "4747001"   "4792872"   "4803575"   "4844377"   "4860128"   "4864439"   "4878139"   "4918550"   "5063554"   "5088085"   "5101304"   "H000079"). PN. OR ("6046880").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/24 12:08

S75	185	242/336.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/24 12:07
S74	27	("4268877"   "4424540"   "4786996"   "4803575"   "4853805"   "4853916"   "4864439"   "4886550"   "4965683"   "5016127"   "5032939"   "5034831"   "5121268"   "5121271"   "5151835"   "5240200"). PN. OR ("5706146").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/24 12:05
S73	2	((("6046880") or ("5706146"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/24 12:03
S72	39	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near1 (height thick\$4) near3 (pair two couple group plural\$4) near1 (sensor switch lever button detector) with (vertical\$3 side wall)	US-PGPUB; USPAT	OR	ON	2011/04/22 17:40
S71	257	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near1 (height thick\$4) near3 (pair two couple group plural\$4) near1 (sensor switch lever button detector)	US-PGPUB; USPAT	OR	ON	2011/04/22 17:06
S70	23	("4695996"   "4890276"   "4979160"   "4995027"   "5136570"   "5150349"   "5195077"   "5255255"   "5878011"   "6052351"   "6256280"   "6292452"). PN. OR ("6618341").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/22 16:46
S69	19	S66 and "720".clas.	US-PGPUB; USPAT	OR	ON	2011/04/22 16:40
S67	82	S66 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/04/22 16:18
S66	364	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near2 (load\$3 insert\$3) near2 (cartridge cassette cassette diskette media medium tape container carrier) with (pair two couple group plural\$4)	US-PGPUB; USPAT	OR	ON	2011/04/22 16:14
S65	100	S64 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/04/22 16:09

S64	1624	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near2 (type size height thick\$4) near2 (cartridge cassette cassette diskette media medium tape container carrier) with (pair two couple group plural\$4)	US-PGPUB; USPAT	OR	ON	2011/04/22 16:07
S63	145	S62 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/04/19 15:28
S62	6129	(size height thick\$4) near3 (detector photodetector photosensor (optical near2 (sensor detector)) sensor) near3 (top bottom upper lower pair two couple group plural\$4 side wall)	US-PGPUB; USPAT	OR	ON	2011/04/19 15:28
S61	11	S59 and "720".clas.	US-PGPUB; USPAT	OR	ON	2011/04/19 15:24
S60	3	S59 and "369".clas.	US-PGPUB; USPAT	OR	ON	2011/04/19 15:24
S59	297	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) with (type size height thick\$4) with (cartridge cassette cassette) with (detector photodetector photosensor (optical near2 (sensor detector)) sensor) near3 (top bottom upper lower pair two couple group plural \$4)	US-PGPUB; USPAT	OR	ON	2011/04/19 15:24
S58	23	("4786996"   "4791509"   "4878138"   "4918550"). PN. OR ("5046169").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/19 15:23
S57	6	("5025334"   "5032939"   "5067036"   "5239427"   "5390057"   "6292452"). PN. OR ("7405901").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/19 15:18
S56	7	("4527262"   "4937690"   "5303214"   "5450254"   "5528747").PN. OR ("6441984").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/19 15:17

S55	496	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near2 (type size height thick\$4) with (cartridge cassette cassette diskette media medium tape container carrier) with (detector photodetector photosensor (optical near2 (sensor detector)) sensor) near3 (top bottom upper lower pair two couple group plural\$4 side wall)	US-PGPUB; USPAT	OR	ON	2011/04/19 15:01
S54	35	S53 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/04/19 14:46
S53	297	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) with (type size height thick\$4) with (cartridge cassette cassette) with (detector photodetector photosensor (optical near2 (sensor detector)) sensor) near3 (top bottom upper lower pair two couple group plural \$4)	US-PGPUB; USPAT	OR	ON	2011/04/19 14:45
S52	73	S50 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/04/19 14:44
S51	11	(upper top bottom lower) near2 (surface face end edge) with (detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near1 (type size height thick\$4) with (cartridge cassette cassette)	FPRS; EPO; JPO	OR	ON	2011/04/19 14:26
S50	1376	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near1 (type size height thick\$4) with (cartridge cassette cassette) with (detector photodetector photosensor (optical near2 (sensor detector)) sensor)	US-PGPUB; USPAT	OR	ON	2011/04/19 14:26

S49	116	(upper top bottom lower) near2 (surface face end edge) with (detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near1 (type size height thick\$4) with (cartridge cassette cassette)	US-PGPUB; USPAT	OR	ON	2011/04/19 14:25
S48	288	360/94.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/19 13:42
S47	793	360/96.51.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/19 13:28
S46	609	360/93.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/19 13:27
S45	0	("2007/0274001").URPN.	USPAT	OR	ON	2011/04/19 13:20
S44	6	S38 and S43	US-PGPUB; USPAT	OR	ON	2011/04/19 13:19
S43	63096	hitachi.as.	US-PGPUB; USPAT	OR	ON	2011/04/19 13:19
S42	5	("20020097657"   "20040027962"   "4891727"   "5864533"   "6728076").PN. OR ("7437743").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/19 12:51
S41	19	S38 and "720".clas.	US-PGPUB; USPAT	OR	ON	2011/04/19 12:49
S40	5	S38 and "369".clas.	US-PGPUB; USPAT	OR	ON	2011/04/19 12:49
S39	52	S38 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/04/19 12:49
S38	249	S35 same S37	US-PGPUB; USPAT	OR	ON	2011/04/19 12:48
S37	33047	(upper top bottom lower) near2 (surface face end edge) with (cartridge cassette cassette)	US-PGPUB; USPAT	OR	ON	2011/04/19 12:46
S36	367	S35 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/04/19 12:45
S35	4115	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near1 (type size height thick\$4) with (cartridge cassette cassette)	US-PGPUB; USPAT	OR	ON	2011/04/19 12:45
S34	12	("5034831"   "5046169"   "5237470").PN. OR ("5493459").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/19 12:43



S33	10155	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near2 (type size height thick\$4) with (carrier cartridge cassette cassette discette diskette)	US-PGPUB; USPAT	OR	ON	2011/04/19 12:43
S32	70	S29 and S31	US-PGPUB; USPAT	OR	ON	2011/04/11 16:55
S31	287	360/94.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/11 16:54
S30	5	S28 and S29	US-PGPUB; USPAT	OR	ON	2011/04/11 16:26
S29	46612	(detect\$4 determin\$6 discriminat\$4 identif\$4 recogni\$5) near2 (type size height thick\$4) with (carrier cartridge cassette cassette CD disc discette disk diskette DVD floppies floppy LP media medium? record tape)	US-PGPUB; USPAT	OR	ON	2011/04/11 16:12
S28	564	360/90.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/11 16:12
S27	37	(detect\$4 discriminat\$4 identif\$4 recogni\$5) near2 (type size height thick\$4) with (carrier cartridge cassette cassette CD disc discette disk diskette DVD floppies floppy LP media medium? record tape) near2 (different unequal larg\$3 small\$3 big\$3 high \$3 low\$3 various plural\$4 vary\$3) with (top bottom upper lower) with (wall side)	US-PGPUB; USPAT	OR	ON	2011/02/18 11:45
S26	26	S25 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/02/18 00:07
S25	139	(detect\$4 discriminat\$4 identif\$4 recogni\$5) near2 (type size height thick\$4) with (carrier cartridge cassette cassette CD disc discette disk diskette DVD floppies floppy LP media medium? record tape) near2 (different unequal larg\$3 small\$3 big\$3 high \$3 low\$3 various plural\$4 vary\$3) with (side wall left right)	US-PGPUB; USPAT	OR	ON	2011/02/18 00:06

S24	17	S22 same S23	US-PGPUB; USPAT	OR	ON	2011/02/18 00:03
S23	421450	(detector photodetector photosensor (optical near2 (sensor detector)) sensor switch\$3 trigger\$4 arm guid \$3 lever) near2 (side wall left right)	US-PGPUB; USPAT	OR	ON	2011/02/18 00:02
S22	1975	(detect\$4 discriminat\$4 identif\$4 recogni\$5) near2 (type size height thick\$4) with (carrier cartridge casette cassette CD disc discette disk diskette DVD floppies floppy LP media medium? record tape) near2 (different unequal larg\$3 small\$3 big\$3 high \$3 low\$3 various plural\$4 vary\$3)	US-PGPUB; USPAT	OR	ON	2011/02/18 00:02
S21	19	S20 and "360".clas.	US-PGPUB; USPAT	OR	ON	2011/02/17 23:57
S20	201	S18 same S19	US-PGPUB; USPAT	OR	ON	2011/02/17 23:57
S19	396113	(detector photodetector photosensor (optical near2 (sensor detector)) sensor switch\$3 trigger\$4 arm guid \$3 lever) near5 (reference (top upper lower bottom) adj1 (face surface))	US-PGPUB; USPAT	OR	ON	2011/02/17 23:56
S18	20711	(detect\$4 discriminat\$4 identif\$4 recogni\$5) with (type size height thick\$4) with (carrier cartridge casette cassette CD disc discette disk diskette DVD floppies floppy LP media medium? record tape) with (different unequal larg\$3 small\$3 big\$3 high\$3 low \$3 various plural\$4 vary\$3)	US-PGPUB; USPAT	OR	ON	2011/02/17 23:40

S17	24	("20030161243"   "20030161244"   "20050060734"   "20050141356"   "20050198656"   "20060085808"   "20060230412"   "5022023"   "5113388"   "5150349"   "5173894"   "5195077"   "5828641"   "6243350"   "6414927"   "6480442"   "6542453"   "6618341"   "6754901"   "6839898"   "6990673"   "6993776"   "7010798"   "7356825").PN. OR ("7770190").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/17 23:15
S16	14	S15 and g11b\$5	FPRS; EPO; JPO	OR	ON	2011/02/17 23:10
S15	186	(detect\$4 discriminat\$4 identif\$4 recogni\$5) near3 (type size height thick\$4) near2 (carrier cartridge cassette cassette CD disc discette disk diskette DVD floppies floppy LP media medium? record tape) near3 (different unequal larg\$3 small\$3 big\$3 high \$3 low\$3 various plural\$4 vary\$3)	FPRS; EPO; JPO	OR	ON	2011/02/17 23:07
S14	58	S11 and S6	US-PGPUB; USPAT	OR	ON	2011/02/17 23:04
S13	3	S11 and S2	US-PGPUB; USPAT	OR	ON	2011/02/17 23:04
S12	0	("2007/0274001").URPN.	USPAT	OR	ON	2011/02/17 22:54
S11	5014	(detect\$4 discriminat\$4 identif\$4 recogni\$5) with (type size height thick\$4) near2 (carrier cartridge cassette cassette media medium? tape) with (different unequal larg\$3 small\$3 big\$3 high\$3 low \$3 various plural\$4 vary\$3)	US-PGPUB; USPAT	OR	ON	2011/02/17 22:53
S10	17	S7 and S3	US-PGPUB; USPAT	OR	ON	2011/02/17 22:51
S9	1	S5 and S2	US-PGPUB; USPAT	OR	ON	2011/02/17 22:50
S8	20	S5 and S6	US-PGPUB; USPAT	OR	ON	2011/02/17 22:50

S7	1756	(detector photodetector photosensor (optical near2 (sensor detector)) sensor) with (type size height thick \$4) near2 (carrier cartridge cassette cassette media medium? tape) with (different unequal larg\$3 small\$3 big\$3 high\$3 low \$3 various plural\$4 vary\$3)	US-PGPUB; USPAT	OR	ON	2011/02/17 22:50
S6	287	360/94.ccls.	US-PGPUB; USPAT	OR	ON	2011/02/17 22:42
S5	2467	(detector photodetector photosensor (optical near2 (sensor detector)) sensor) with (type size height thick \$4) near2 (carrier cartridge cassette cassette CD disc discette disk diskette DVD floppies floppy LP media medium? record tape) with (different unequal larg\$3 small\$3 big\$3 high\$3 low \$3 various plural\$4 vary\$3)	US-PGPUB; USPAT	OR	ON	2011/02/17 22:38
S4	3	("5343338"   "5479312"   "5730379").PN.	US-PGPUB; USPAT	OR	ON	2011/02/17 22:26
S3	62271	hitachi.as.	US-PGPUB; USPAT	OR	ON	2011/02/17 22:24
S2	564	360/90.ccls.	US-PGPUB; USPAT	OR	ON	2011/02/17 22:23
S1	1	10/578517.app.	US-PGPUB; USPAT	OR	ON	2011/02/17 22:22

**EAST Search History (I nterference)**

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